

L Number	Hits	Search Text	DB	Time stamp
1	2	"20020005250"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:05
2	7	"6291048"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:25
3	2304	ethylene adj methyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:25
4	5372	ema	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:25
5	22338	copolymer with ethylene with acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:26
6	7099	(ethylene adj methyl adj acrylate) ema	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:26
7	43991	carpet\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
8	134	((ethylene adj methyl adj acrylate) ema) and carpet\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
9	851	((ethylene adj methyl adj acrylate) ema) with (blend mixture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
10	52	carpet\$ and (((ethylene adj methyl adj acrylate) ema) with (blend mixture))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:47
12	41	"3583936"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:48
11	40	"3982051"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:01

15	24	"3583936" not "3982051"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:01
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4	5372	ema	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:25
5	22338	copolymer with ethylene with acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:10
6	7099	(ethylene adj methyl adj acrylate) ema	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:26
7	43991	carpet\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
8	134	((ethylene adj methyl adj acrylate) ema) and carpet\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
9	851	((ethylene adj methyl adj acrylate) ema) with (blend mixture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:27
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12	41	"3583936"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 12:48
11	40	"3982051"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:01

15	24	"3583936" not "3982051"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:01
16	544	(ethylene adj methyl adj acrylate) with (blend mixture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:11
17	4791	(copolymer with ethylene with acrylate) with (blend mixture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:11
18	17	carpet\$ same ((copolymer with ethylene with acrylate) with (blend mixture))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:18
19	34	"4508771"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/19 13:19

DERWENT-ACC-NO: 1981-40488D
DERWENT-WEEK: 198123
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TITLE: Flexible extrudable insulating compsn. for carpet
underlay - contains
thermoplastic resin and olefinic elastomer and is highly
filled

INVENTOR: JANSEN, D; PEOPLES, C ; PUYDAK, R

PATENT-ASSIGNEE: COLLINS & AIKMAN CORP[COLJ], EXXON RES &
ENG CO[ESSO]

PRIORITY-DATA: 1979US-0095565 (November 19, 1979)

PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
DE 3043674 A	000	N/A	May 27, 1981	N/A
CA 1173588 A	000	N/A	August 28, 1984	N/A
DE 3043674 C	000	N/A	August 2, 1990	N/A
FR 2470144 A	000	N/A	June 5, 1981	N/A
GB 2067576 A	000	N/A	July 30, 1981	N/A
GB 2067576 B	000	N/A	November 23, 1983	N/A
IT 1134334 B	000	N/A	August 13, 1986	N/A
JP 56088464 A	000	N/A	July 17, 1981	N/A
JP 90058393 B	000	N/A	December 7, 1990	N/A
US 4508771 A	000	N/A	April 2, 1985 <i>Peoples</i>	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP 90058393B	N/A	1980JP-0164006
November 19, 1980		

US 4508771A N/A
November 19, 1979

1979US-0095565

INT-CL (IPC): A47G027/00; B32B003/02 ; B32B027/12 ;
B32B033/00 ;
C08K003/26 ; C08K005/09 ; C08L009/00 ; C08L023/00 ;
D06M015/69 ;
D06N003/04 ; D06N007/00

ABSTRACTED-PUB-NO: DE 3043674A

BASIC-ABSTRACT: Extrudable compsn. for prodn. of
thermoplastic, acoustic and
thermal insulating underlay for carpets contains 10-25
(15-25) (wt.) %
thermoplastic resin (I), 4-15 (4-10)% olefinic elastomer
(II) and 60-85
(60-75)% filler (III). The underlay has improved
flexibility in the
Tinius-Olsen stiffness test.

(I) is a copolymer of ethylene and an unsatd. ester of a
lower carboxylic
acid, pref. an alkyl acrylate or vinyl carboxylate, esp.
vinyl acetate; a
copolymer of ethylene with 8-30 wt.% vinyl acetate, having
a MFI of 2.5-50, or
a mixt. of a copolymer with a MFI of 1.5-2.5 and another
copolymer with a MFI
of 150-160 is esp. suitable. (II) is an ethylene
copolymer, polyisobutylene,
isoprene copolymer, ethylene-propylene copolymer and/or
EPDM terpolymer. (III)
is BaSO₄ or CaCO₃. The compsn. can also contain stearic
acid or stearates
(0.25-2.0 wt.%) and/or a hydrocarbon oil (2-10 wt.%
paraffinic or naphthenic
oil). The carpet has a thermoplastic adhesive precoat for
bonding the fibres,
this adhesive having a melt viscosity of 4000-35000 mPa.s
at 190.6 deg. C. The
underlay is applied to the carpet by extrusion.

Besides improved flexibility the compsn. has a high filler
content, which
reduces the cost without detriment to the properties.

ABSTRACTED-PUB-NO: DE 3043674C

EQUIVALENT-ABSTRACTS: An extrudable compsn for the

underside of carpets or
carpet underlays comprises 10-25 (15-25) wt% of a
thermoplastic copolymer of
ethylene and an unsatd ester of a lower carboxylic acid,
pref. vinyl acetate
4-15 (4-10) wt % of an elastomer chosen from
poly-isobutylene, isoprene
copolymers, ethylene-propylene copolymers or terpolymers of
ethylene, propylene
and a nonconjugated diene and 55-85 (60-75) wt% of a filler
chosen from barium
sulphate and calcium carbonate.

USE/ADVANTAGE - The compsn has good elastic properties and
can be extruded
without auxiliaries to make carpet backing with good sound
and heat insulation.
(11pp)

US 4508771A

Highly flexible copolymer compsn. comprises a thermoplastic
resin component
(10-25 wt.%) obtd. by copolymerisation of ethylene and an
unsatd. ester of a
lower carboxylic acid; an olefinic elastomer (about 4-15
wt.%); and one or more
fillers (about 60-85 wt.%).

USE - The prods. have improved flexibility (measured by the
Tinius-Olsen
stiffness test), are easily extruded, and have excellent
acoustical and thermal
insulation properties for use as carpet backing. B(11pp)e

TITLE-TERMS:

FLEXIBLE EXTRUDE INSULATE COMPOSITION CARPET UNDERLAY
CONTAIN THERMOPLASTIC
RESIN OLEFINIC ELASTOMER HIGH FILLED

DERWENT-CLASS: A84 F07 P27 P73

CPI-CODES: A04-G06; A04-G07; A04-G08; A07-A02D; A08-R01;
A12-D02; A12-R06;
F03-E01; F04-D;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0037 0060 0066 0206 0218 0224 0231 0233
0240 0241 0242 0250
0251 0262 0488 0495 0502 0782 0789 1101 1180 1201 2211 2218
2312 2315 2421 2431
2434 2510 2560 2562 2628 2659 2682 2723 2726 2822 2844
Multipunch Codes: 011 032 034 04- 040 041 046 047 050 052
06- 066 067 074 075
076 077 081 117 123 134 15- 174 18- 19- 27& 28& 308 310 314
317 415 431 437 44&
440 443 477 512 514 546 551 560 566 597 600 609 614 617 664
688 721 723

CLIPPEDIMAGE= JP401241422A

PAT-NO: JP401241422A

DOCUMENT-IDENTIFIER: JP 01241422 A

TITLE: MANUFACTURE OF SOUND INSULATING CARPET

PUBN-DATE: September 26, 1989

INVENTOR-INFORMATION:

NAME

KAWAMOTO, MANABU

ASSIGNEE-INFORMATION:

NAME

DU PONT MITSUI POLYCHEM CO LTD

COUNTRY

N/A

APPL-NO: JP63067230

APPL-DATE: March 23, 1988

INT-CL (IPC): B29C047/04;A47G027/02 ;B32B027/12 ;B32B027/28

US-CL-CURRENT: 428/95

ABSTRACT:

PURPOSE: To improve processability, heat resistance and stitch extraction strength, by making use of a mixture as a backing material in which a master batch of an inorganic filling agent, ethylene-vinyl acetate copolymer, and ethylene-(meth)acrylate copolymer are mixed.

CONSTITUTION: (A) 40~80 pts.wt. master batch of an inorganic filling agent containing inorganic filling agent at density of 60~95wt.%, (B) 5~30 pts.wt. ethylene-vinyl acetate copolymer containing 10~40wt.% of vinyl acetate, having a melt flow rate of 1~200g/10 minutes and (C) at least 10 pts.wt. ethylene-(meth) acrylate copolymer containing 6~16wt.% of

(meth)acrylate having melt flow rate of $5 \sim 50$ g/10 minutes are mixed to obtain a mixture (total 100 pts.wt.) which is melt extruded, press-adhered to the rear of raw fabric of a carpet while it is hot, and made into a sound insulating carpet. The mixture is added appropriately for the purpose of modification of quality or for bulking polyethylene, polypropylene, an ethylene-propylene copolymer at need, which is extruded as a molten sheet of about several millimeter thick and laminated together with the raw fabric of the carpet with a pressure roller before the same is cooled and solidified.

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